Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/18/2020 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125440	0	1.75	125531	1.74
Blue	F	SSC	125000	124845	-1	1.45	125689	1.49
Blue	E	FITC	15892	15533	-3	2.72	339	19.64
Blue	D	PE	29999	29952	-1	1.79	654	14.46
Blue	B	PerCP-Cy5-5	43732	44082	0	3.58	1183	20.56
Blue	A	PE-Cy7	30845	31279	1	6.12	596	40.40
Red	C	APC	46112	46110	-1	2.40	1629	12.05
Red	A	APC-Cy7	30458	30367	-1	2.36	806	12.07
Violet	B	V450	7918	7515	-6	3.91	422	12.77
Violet	A	V500	32171	31101	-4	3.63	727	10.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17692	9.53	622	1	N/A	N/A	Pass
Blue	F	SSC	56960	1.00	565	6	N/A	N/A	Pass
Blue	E	FITC	62	62.06	544	1	0.0207	110	Pass
Blue	D	PE	137	46.82	551	3	0.1560	213	Pass
Blue	B	PerCP-Cy5-5	217	49.42	659	3	0.0088	28	Pass
Blue	A	PE-Cy7	110	103.39	702	4	0.0114	26	Pass
Red	C	APC	390	25.38	590	6	0.0250	185	Pass
Red	A	APC-Cy7	176	28.47	562	6	0.0053	712	Pass
Violet	B	V450	64	57.91	459	1	0.0531	1931	Pass
Violet	A	V500	110	31.28	476	2	0.0237	531	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.93	-32.54	1.01
Blue	20.37	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	15.31	13.60 - 20.40	N/A	N/A	29.94	30.46	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10820

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments